

**APPARATUS AND METHOD FOR EXTENDING THE COVERAGE AREA  
OF A LICENSED WIRELESS COMMUNICATION SYSTEM USING AN  
UNLICENSED WIRELESS COMMUNICATION SYSTEM**

**ABSTRACT**

An unlicensed wireless service is adapted to generate the interface protocols of a licensed wireless service to provide transparent transition of communication sessions between a licensed wireless service and an unlicensed wireless service. In one embodiment, a mobile station includes level 1, level 2, and level 3 protocols for licensed wireless service and an unlicensed wireless service. An indoor base station and indoor network controller provide protocol conversion for the unlicensed wireless service into a standard base station controller interface of the licensed wireless service.

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